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NPIC/TSSG/RED-1942-69
3 December 1969

MEMORANDUM FOR: Chief, Technical Services & Support Group, NPIC

ATTENTION : [] PPS/TSSG

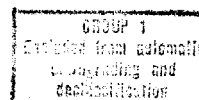
SUBJECT : RED Monthly Report on Significant Events (November 1969)

A. Significant Items of Interest for November 1969

1. [] Fiber-Optics Viewer - A study contract was awarded to [] to determine the feasibility of providing a Fiber-Optics Viewer with a measuring accuracy of 2.5 micrometers plus 0.005% of the distance traveled.
2. Advanced Stereo Rhomboids, Model II - A briefing was presented to IEG on the status of the [] contract to develop prototype advanced stereo rhomboids. The briefing stressed the scheduling problems involved in attempting to provide operational instruments by 1 January 1971.
3. High Precision Stereo Comparator Program - Three people from [] visited [] on 13 and 14 November 1969 to investigate [] latest request for a delay in acceptance tests on the correlation. [] feels that the two companies have reached a common understanding and that [] will have the correlator ready for acceptance tests in January 1970.

[] Project Manager will visit [] the week of 8 December to see if the three-week strike at [] caused, in any way, a delay in the optical schedule. [] still tentatively plans to start the optical acceptance tests at [] on 12 January 1970.
4. Recon Photo Reproducing Material - On 12 November 1969, representatives of [] presented their new approach to a proposed program for the development of a positive-to-positive recon photo

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reproducing material. It is expected that a formal, multiple-phased proposal will be received by the Center in the near future.

5. High Speed Dry Silver Processors - The Special Projects Processing Facility (SPPF), Westover, Mass., received two High Speed, Dry Silver Processors on 3 November 1969 and has completed acceptance tests on the delivered items. Indications are that the processors performed acceptably and that the formal acceptance papers will be signed in the near future.

An extensive testing program lasting from 6 to 12 months has been scheduled for these processors. SPPF has agreed to provide copies of this data to NPIC at key points during the testing program. This information will be used to establish specifications for the performance of future compacted roll and paper processors.

6. Automatic Stereo Scanner - On 26 November, [] was briefed on the current status of this project. He approved solicitation of a proposal from [] for completion of the project. Furthermore, he directed RED to establish additional coordination with IEG for the purpose of subsequently briefing him on the current operational requirement for this system.

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7. Image Comparison Microstereoscope - On 18 November, after a delay of more than a month, expenditures for September and October were finally obtained. They appeared to the Project Officer to be in excess by [] - thus, threatening an additional overrun. Subsequently, the [] Administrator has stated that the cost figures appear to be correct; however, he categorically stated "there will be no further overrun." A meeting at NPIC has been scheduled for 4 December, in which [] will present a detailed cost and progress analysis to the Contracting Officer and the Project Officer.

8. Color Vision Tests - Revised color vision test will be implemented in the Center in response to a request by IEG. The personnel to be tested will be selected by the Human Factors Section of RED on the basis of their scores from previous vision tests.

9. SO-242 Evaluation - RED personnel have proceeded with the evaluation of the SO-242. The planning document, requiring human factors consideration for color imagery exploitation, has been initiated.

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10. Real Time Committee [] SRB/RED, and []
[] has been assigned to a Real Time Evaluation Committee. 25X1
11. [] 25X1
12. Imagery Interpretation Program - [] has been authorized to proceed to Phase II of FY-69 Imagery Interpretation Research Program as of 24 November 1969. 25X1
13. Digital Image Analysis - A meeting was held on 24 November 1969 at AFIC to coordinate RADC/FTD Digital Image Analysis Project with the RED/ATB Digital Image Manipulation Program.
14. Chip Implementation - On 4, 5 and 6 November 1969, [] representatives were in [] to discuss Contract [] - Chip Implementation Investigation. 25X1 25X1
15. Dual Data Block Reader - On 10 November 1969, the [] proposal was submitted for the Dual Data Block Reader for the 9. 25X1
16. Stereo Comparator - On 12 November 1969, the [] proposal was submitted for the 10" x 10" Stereo Comparator for IEG/PD. 25X1
17. Capabilities Briefing - On 21 November, [] gave a presentation on Capabilities. 25X1
18. Free Radicals - [] of the Exploratory Laboratory, and [] of SDB met representatives of [] to discuss their proposal on direct positive systems utilizing Free Radicals. The proposed work effort was reviewed and suggestions for significant, milestone, decision points were discussed. 25X1
19. Visit to [] visited [] and discussed the progress of the 70mm RS printer processor being constructed for the Air Force with [] This system has been checked out in the mock-up stage, and all indications are that it will be successfully operating early in 1970. Reports indicate that the encouraging results, so far, may result in scaling 9 $\frac{1}{2}$ " in the near future. 25X1 25X1 25X1

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- 25X1 20. [] completed an analysis of the materials currently used and proposed for the [] Headliner Machine. A final report was distributed. 25X1
- 25X1 21. [] Mensuration Study - The draft final report of the [] Mensuration Study has been received and is being reviewed. It is expected that approval of this draft report will be given early in December. A summary presentation of the work under this contract was presented at the CCB meeting for [] 25X1
- 25X1 22. Defocussed Imagery - A final memorandum report on Defocussed Imagery for IAS was prepared and distributed.
- 25X1 23. [] Image Analysis Support - The first [] Image Analysis Support proposal was received and rejected. An acceptable proposal has been received and is being evaluated. A fabrication of the fixtures for the analog program are approximately 80% completed; it is anticipated that the optical benches will be completely set up in late December. 25X1
- 25X1 24. Offutt PI School [] [] attended the COMIREX PI course at Offutt AFB. 25X1

[]
Deputy Chief, Research & Engineering Division 25X1

Attachment:

1. NPIC/TSSG/RED/RSB-27-69

Distribution:

- 1 - TSSG w/att. 1
- 2 - TSSG/RED w/o att.

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